

## INTERNATIONAL SEARCH REPORT

International Application No

PCT/IB2004/003319

A. CLASSIFICATION OF SUBJECT MATTER  
 IPC 7 C07C27/14 C07C47/04 C07C31/04 B01J23/42

According to International Patent Classification (IPC) or to both national classification and IPC

## B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)  
 IPC 7 C07C B01J

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the International search (name of data base and, where practical, search terms used)

EPO-Internal, WPI Data, BEILSTEIN Data, CHEM ABS Data

## C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	OLAF DEUTSCHMANN ET.AL.: "FORMAL TREATMENT OF CATALYTIC COMBUSTION AND CATALYTIC CONVERSION OF METHANE" CATALYSIS TODAY, vol. 46, 1998, pages 155-163, XP002320964 page 158, left column, lines 18-19;	1-21
A	US 4 082 699 A (PETROW ET AL) 4 April 1978 (1978-04-04) claims 1-7; examples 1-17	19-21
A	EP 0 934 774 A (MAZDA MOTOR CORPORATION) 11 August 1999 (1999-08-11) paragraph '0042!	19-21

 Further documents are listed in the continuation of box C. Patent family members are listed in annex.

## \* Special categories of cited documents :

- \*A\* document defining the general state of the art which is not considered to be of particular relevance
- \*E\* earlier document but published on or after the International filing date
- \*L\* document which may throw doubt on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)
- \*O\* document referring to an oral disclosure, use, exhibition or other means
- \*P\* document published prior to the International filing date but later than the priority date claimed

- \*T\* later document published after the International filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
- \*X\* document of particular relevance; the claimed Invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
- \*Y\* document of particular relevance; the claimed Invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.
- \*&\* document member of the same patent family

Date of the actual completion of the International search	Date of mailing of the International search report
11 March 2005	23/03/2005
Name and mailing address of the ISA European Patent Office, P.B. 5818 Patentlaan 2 NL - 2280 HV Rijswijk Tel: (+31-70) 340-2040, Tx. 31 651 epo nl, Fax: (+31-70) 340-3016	Authorized officer Kleidernigg, O

**INTERNATIONAL SEARCH REPORT**

Information on patent family members

International Application No

PCT/IB2004/003319

Patent document cited in search report		Publication date		Patent family member(s)		Publication date
US 4082699	A	04-04-1978	US	3992331 A		16-11-1976
EP 0934774	A	11-08-1999	JP	11285644 A		19-10-1999
			DE	69902063 D1		14-08-2002
			DE	69902063 T2		06-03-2003
			EP	0934774 A2		11-08-1999
			ES	2180234 T3		01-02-2003
			US	6171999 B1		09-01-2001